WATERFOWL PRODUCTION

Bird population at a wildlife refuge:

	Pairs of Birds	Waterfowl Production
Mallard	1,100	3,080
Cinnamon Teal	356	1,000
Shoveler	140	392
Gadwall	104	292
Pintail	76	212
Ruddy	18	48
Wigeon	14	40
Red Head	10	28
Ring Neck	6	16
Canada Goose	5	12

Calculate the production of each pair of birds:

Mallard:	3,080 / 1,100 = 2.80
Cinnamon Teal	2.81
Shoveler	2.80
Gadwall	2.81
Pintail	2.79
Ruddy	2.67
Wigeon	2.86
Red Head	2.80
Ring Neck	2.67
Canada Goose	2.40

Use this information for the activity on the next page.

STATISTICALLY SPEAKING...

Arrange the numbers of waterfowl produced in order from largest to least number:

2.86
2.81
2.81
2.80
2.80
2.80
2.79
2.67
2.67
2.40

In statistics, there are three ways to measure a mid-point.

MEDIAN: The Median is the measurement that divides the set into two equal parts. What is the Median of the above set? (2.80)

MODE: The Mode is the measurement that appears most frequently in a group of measurements. What is the Mode in the set? (2.80)

MEAN: The Mean is the arithmetic average that you get by adding all of the measurements in a group and then dividing by the total number of measurements in that group. What is the Mean in the set? (2.741)

Which number do you think is the most <u>accurate</u> in representing the number of birds produced from each pair? Why? State some reasons for your answer.